WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
NEVADA

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,
and
NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF
APR. 1, 1962

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Cooperative Snow Survey and Water Supply Forecast Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Fortunately, most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from fore-knowledge of the runoff.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, about 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

By relating snow survey measurements taken over a period of years to spring-summer runoff during the same period, relationships have been developed which make it possible to forecast seasonal runoff several months in advance of occurrence. In order to make a forecast, once a forecast relationship has been developed, the maximum snow water content at previously selected key snow courses is usually entered in the forecast relationship. More accurate forecasts are often obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast relationships.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
COLORADO AND STATE OF UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER AND OTHER AGENCIES
COLUMBIA	MONTHLY (JAN.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
UPPER MISSOURI AND STATE OF MONTANA	MONTHLY (FEB.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
WEST-WIDE	OCT. 1, APR. 1, MAY 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. AGR. EXP. STATION COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (FEB.-MAY)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	ORE. AGR. EXP. STATION OREGON STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

Copies of these various reports may be secured from:

Head, Water Supply Forecasting Section
Soil Conservation Service
P.O. Box 4170, Portland 8, Oregon

PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	COMPTROLLER, WATER RIGHTS BR., DEPT. OF LANDS AND FORESTS, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, SACRAMENTO, CALIF.

USDA-SCS-PORTLAND, OREG 1961

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for
NEVADA

Report prepared by

MANES BARTON
and
ROY E. MALSOR, JR.

SOIL CONSERVATION SERVICE
1479 WELLS AVENUE.....RENO, NEVADA

APRIL 8, 1962

Issued by

CHARLES W. CLEARY, JR.
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
RENO, NEVADA

HUGH A. SHAMBERGER
DIRECTOR
DEPARTMENT OF CONSERVATION AND
NATURAL RESOURCES
CARSON CITY, NEVADA

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ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE
BAKER #1	14L1	8
BAKER #2	14L2	8
BAKER #3	14L3	8
BALO MOUNTAIN	19H1	15
BARBER CREEK	20H5	15
BEAR CREEK	19H1MA	11,12
BERRY CREEK	19K2	8
BIG BEND	15H4M	11,12
BIG CREEK CAMPGROUND	17K1	13
BIG CREEK MINE	17K2	13
BIG CREEK, UPPER	17K3	13
BIRD CREEK	14K1	8
BLUE LAKES	19L5	3,4
BOCA #2	20K14	2,4
BUCKEYE FORKS	19L11	5
BUCKEYE ROUGHS	19L10	5
BUCKSKIN, LOWER	17H2	12,14
BUCKSKIN, UPPER	17H1	12,14
CAMPITO MOUNTAIN	18M2	6
CARSON PASS, UPPER	19L4	3,4
CAVE CREEK	15J13	8,9,12
CEDAR PASS	20H6	15
CENTER MOUNTAIN	19L12A	5
CLARK CANYON	15N2	7
CLEAR CREEK	19K5	3,4
CORRAL CANYON	15J12	9,12
DAGGETTS PASS	19L14	2,3,4
DENIO CREEK	18G6a	14
DISASTER PEAK	18H1	14
DISMAL SWAMP	20H3a	15
DONNER LAKE #1	20K11	2
DONNER PARK #2	20K21	2,
DONNER SUMMIT	20K10	2,4
DORSEY BASIN	15J1	9,12
DRY CREEK	15J3	9,12
EAGLE PEAK	20H7	15
ECHO SUMMIT	20L5	2,3,4
FORDYCE LAKE	20K7	2,4
49-MTN.	19H3	15
FOX CREEK	15H2	11,12
FREEL BENCH	19L2	2
FRY CANYON	15H7	11,12
FURNACE FLAT	20K8	2,4
GLENBROOK #2	19K6	2,3
GOAT CREEK	15H13	10,12
GOLCONDA #2	17J2	12
GOLD CREEK	15H5	11,12
GRANITE PEAK	17H4	12,14
GREEN MOUNTAIN	15J9	9,12
HAGANS MEADOW	19L3	2,4
HAGER CANYON	15J14	8,9,12
HARRISON PASS #1	15J10	9,12
HARRISON PASS #2	15J11	9,12
HAYS CANYON	19H2	15
HOLE-IN-MTN.	15J15	9,12
HUMMINGBIRD SPRINGS	15H15A	10,12
INDEPENDENCE CAMP	20K4	2,4
INDEPENDENCE CREEK	20K3	2
INDEPENDENCE LAKE	20K5	2
JACK CREEK, LOWER	16H1M	11,12
JACK CREEK, UPPER	16H2	11,12
JACKS PEAK	16H4	11,12
JAKES CREEK	14H1	10,13
KALAMAZOO CREEK	14K8	8
KYLE CANYON	15N5	7
LAKE LUCILLE	20L4	2
LAMANCE CREEK	17H5	12,14
LAMOILLE #1	15J4	9,12
LAMOILLE #2	15J5	9,12
LAMOILLE #3	15J6	9,12
LAMOILLE #4	15J7	9,12
LAMOILLE #5	15J8	9,12
LAPON MEADOW	18L1	5
LAUREL DRAW	16H5	11,12
LEAVITT MEADOWS	19L8	5
LEE CANYON #1	15N4	7
LEE CANYON #2	15N3	7
LEONARD CREEK	18H2	14
LITTLE BALLY MTN.	19H4a	15
LITTLE VALLEY	19K3	2
LOUSE CANYON	17G4a	14
LOWER CORRAL	17L1	7,13
MARLETTE LAKE	19K4	2,3
MARTIN CREEK	17H3	12,14
MATHEW CANYON	14M1	7
MIDAS	16H3	11,12
MONTGOMERY PASS	18M1	6
MT. GRANT	18L2	5
MT. ROSE	19K2	2
MURRAY SUMMIT	14K3	8
OREGON CANYON	17G5a	14
PINE CANYON	14M2	7
POISON FLAT	19L6A	3,4
POLE CREEK R. 5.	15H14	10,12
QUINN RIDGE	17H6a	14
RAINBOW CANYON #2	15N7	7
RED POINT	15H18a	10,12
RESERVATION CREEK	20H4	15
RICHARDSONS #2	20L3	2
ROBINSON SUMMIT	15K1	8
RODEO FLAT	15H6M	11,12
RUBICON #1	20L1	2
RUBICON #2	20L2	2
RYAN RANCH	15J2	9,12
SAGE HEN CREEK	20K6	2,4
76 CREEK	15H3A	11,12
SILVER CREEK #2	14K7	8
SONORA PASS	19L7	3,5
SOUAW VALLEY #2	20K19	2
TAHOE CITY	20K16	2,4
TAYLOR CANYON	15H9M	11,12
TIOGA PASS	19M1	5
TREMEWAN RANCH	15H8	11,12
TROUGH SPRINGS	15N1	7
TROUT CREEK	18G5a	14
TROUT CREEK, LOWER	15H10	9,12
TROUT CREEK, UPPER	15H11	9,12
TRUCKEE #2	20K13	2
UPPER CORRAL	17L2	7,13
UPPER FISH VALLEY	19L16a	3
UPPER TRUCKEE	19L1	2
VIRGINIA LAKES	19L13	5
WARD CREEK	20K17	2,4
WARD MOUNTAIN #2	14K5	8
WEBBER LAKE	20K2	2
WEBBER PEAK	20K1	2
WHITE RIVER #1	15L1	8
WILLOW FLAT	19L9	5

INDEX TO NEVADA SNOW COURSES
(By Basins)

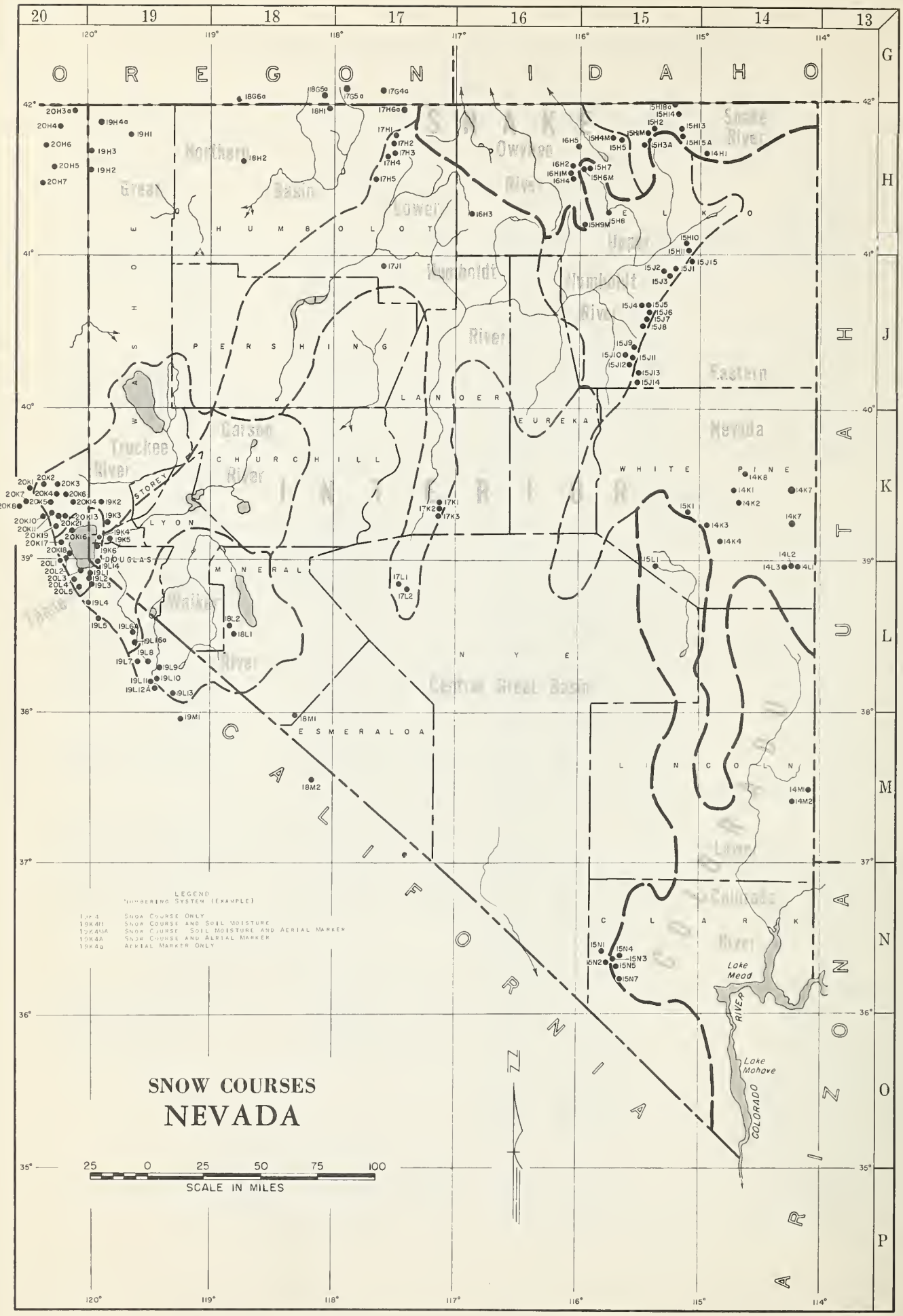
NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
	SNAKE RIVER BASIN				
	SNAKE RIVER				
15H1MA	BEAR CREEK	31	46N	58E	7800
15G4M*	BIG BENO	30	45N	56E	6700
15H2	FOX CREEK	33	46N	58E	6800
15H13	GOAT CREEK	31	46N	60E	8800
15H5*	GOLO CREEK	31	45N	56E	6600
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JAKES CREEK	6	42N	62E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	REO POINT	15	47N	61E	7940
15H3A	76 CREEK	6	44N	58E	7100
	OWYHEE RIVER				
15H4M	BIG BEND	30	45N	56E	6700
17H2*	BUCKSKIN, LOWER	25	45N	39E	6700
17H1*	BUCKSKIN, UPPER	11	45N	39E	7200
15H7*	FRY CANYON	31	43N	54E	6700
15H5	GOLO CREEK	31	45N	56E	6600
17H4*	GRANITE PEAK	22	44N	39E	7800
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8420
16H5	LAUREL DRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
17H3*	MARTIN CREEK	18	44N	40E	6700
15H6M*	RODEO FLAT	36	43N	53E	6800
15H9M	TAYLOR CANYON	35	39N	53E	6200
15H8*	TREMEWAN RANCH	9	39N	55E	5700
	INTERIOR				
	UPPER HUMBOLDT RIVER				
15H1MA*	BEAR CREEK	31	46N	58E	7800
15H4M*	BIG BENO	30	45N	56E	6700
15J12	CORRAL CANYON	27	28N	57E	8500
15J1	DORSEY BASIN	28	35N	60E	8100
15J3	DRY CREEK	5	34N	60E	6500
15H2*	FOX CREEK	33	46N	58E	6800
15H7	FRY CANYON	31	43N	54E	6700
15H5*	GOLD CREEK	31	45N	56E	6600
15J9	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
16H1M*	JACK CREEK, LOWER	18	42N	53E	6800
16H2*	JACK CREEK, UPPER	9	42N	53E	7250
16H4*	JACKS PEAK	28	42N	53E	8420
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7300
15J6	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8	LAMOILLE #5	31	32N	59E	8700
15H6M	RODEO FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H3A*	76 CREEK	6	44N	58E	7100
15H9M*	TAYLOR CANYON	35	39N	53E	6200
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10	TROUT CREEK, LOWER	28	37N	61E	6900
15H11	TROUT CREEK, UPPER	4	36N	61E	8500
	LOWER HUMBOLDT RIVER				
17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	8000
17H2	BUCKSKIN, LOWER	25	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	7200
17J2	GOLCONDA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17L1	LOWER CORRAL	12	11N	40E	7500
17H3	MARTIN CREEK	18	44N	40E	6700
16H3	MIDAS	18	39N	46E	7200
17L2	UPPER CORRAL	20	11N	41E	8500
	EASTERN NEVADA				
14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRD CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN.	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARD MOUNTAIN #2	25	15N	62E	7875
15L1*	WHITE RIVER #1	31	13N	59E	7400
	CENTRAL GREAT BASIN				
18M2	CAMPITO MTN	19	5S	35E	10200
15N2	CLARK CANYON	8	19S	56E	9000
18G6a*	DENIO CREEK (OREG.)	14	41S	34E	6000
18M1	MONTGOMERY PASS	4	1N	33E	7100
15N1	TROUGH SPRINGS	23	18S	55E	8500
	NORTHERN GREAT BASIN				
19H1	BALD MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK	23	39N	16E	6500
20H6	CEDAR PASS	12	43N	14E	7100
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	DISMAL SWAMP (CAL.)	31	48N	22E	7000
20H7	EAGLE PEAK	35	40N	15E	8300
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
18H2	LEONARD CREEK	13	42N	28E	5900
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN RIDGE	9	47N	41E	6300
20H4	RESERVATION CREEK	12	46N	15E	5900
18G5a*	TROUT CREEK (OREG.)	10	41S	38E	7800
	LAKE TAHOE				
19L14	DAGGETTS PASS	19	13N	19E	7350
20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7500
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8400
19K4	MARLETTE LAKE	13	15N	18E	8000
19K2*	MT. ROSE	7	17N	19E	9000
20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17	WARD CREEK (CAL.)	21	15N	16E	7000
	TRUCKEE RIVER				
20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K11	DONNER LAKE #1 (CAL.)	14	17N	15E	5950
20K21	DONNER PARK #2 (CAL.)	3	16N	16E	6000
20K10*	DONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FORDYCE LAKE (CAL.)	34	18N	13E	6500
20K8*	FURNACE FLAT (CAL.)	10	17N	13E	6600
20K4	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SQUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K16*	TAHOE CITY (CAL.)	6	15N	17E	6250
20K13	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K17*	WARD CREEK (CAL.)	21	15N	16E	7000
20K2	WEBBER LAKE (CAL.)	20	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000
	CARSON RIVER				
19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L6A	POISON FLAT (CAL.)	25	8N	21E	7900
19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050
	WALKER RIVER				
19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
18L2	MT. GRANT	23	8N	28E	9000
19L7	SONORA PASS (CAL.)	1	5N	21E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13	VIRGINA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
	COLORADO				
	LOWER COLORADO RIVER				
15N5	KYLE CANYON	26	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8300
15N3	LEE CANYON #2	9	19S	56E	9000
14M1	MATHEW CANYON	11	5S	70E	6000
14M2	PINE CANYON	11	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4A	SNOW COURSE AND AERIAL MARKER
19K4a	AERIAL MARKER ONLY
*	LOCATED ON ADJACENT WATERSHED

USDA SCS-PORTLAND OREG 1961 M-1824


SNOW COURSES
NEVADA
LEGEND
NUMBERING SYSTEM (EXAMPLE)
SCALE IN MILES
25 0 25 50 75 100
OREGON
IDAHO
CALIFORNIA
UTAH
ARIZONA
Lake Mead
Lake Mohave
COLORADO RIVER
Humboldt River
Truckee River
Carson River
Walker River
Owyhee River
Snake River
Eastern Nevada
Central Great Basin
Northern Great Basin
Lower Colorado River
Upper Colorado River
Lower Humboldt River
HUMBOLDT
PERSHING
LANDER
EUREKA
WHITE PINE
CHURCHILL
LYON
STOREY
DOUGLAS
MINERAL
NYE
ESMERALDA
LINCOLN
CLARK

WATER SUPPLY OUTLOOK
FOR NEVADA

April 1, 1962

* *
* April-July 1962 streamflow of Nevada streams will be the best *
* since 1958. Nevada water users can plan on a near average to *
* moderately above average supply. Full reservoir water allot- *
* ments will not be possible. Although Nevada's reservoir *
* storage has improved since January 1, most reservoirs are still *
* much below average. March storms, particularly during the *
* first 2 weeks of the month have further improved mountain snow- *
* pack conditions. Most watersheds have an April 1 snowpack *
* which is 120 percent of average or better. Mountain soils are *
* well wetted except at the high elevations where moderate *
* deficiencies exist. Conditions are very favorable for good *
* range forage growth during the spring and early summer. *
* *

STREAMFLOW FORECASTS

April-July streamflow forecasts have been raised above those given last month. Following by basins are the April-July 1962 flows as percent of average: Tahoe-Truckee 135 percent, Carson 117-123 percent, Humboldt at Palisade 85 percent, Upper Humboldt 101-104 percent, Martin Creek 147 percent and Owyhee 110 percent.

RESERVOIR STORAGE

Nevada's principal reservoirs continued to gain in an above normal fashion in March. In aggregate the seven reservoirs gained 108,000 acre feet. This was 235 percent of the usual March gain. Nevertheless, April 1 storage of 318,000 acre feet is still deficient at 34 percent of the April 1, 1943-57 average and 23 percent of capacity. In a normal year these reservoirs should hold 67 percent of capacity. Storage water demands will leave most reservoirs at below normal levels again this coming fall. Irrigation and conservancy districts are planning their allotments so that a moderate amount of stored water will be carried over for the 1963 season. Allotments for this year will be better than last year but less than 100 percent.

SOIL MOISTURE CONDITIONS

Mountain soil moisture conditions are rated fair to good. Soils at median mountain elevations are well primed. Soils under the high mountain snowpack are moderately well wetted. The above average snowpack will offset these deficiencies. Soil moisture conditions in the river meadow lands are good.

SNOW COVER

The April 1 mountain snowpack is above average ranging from 120 to 170 percent of average in the various basins and sub-basins of the State. March snowfall was above average due in a large part to the storms of March 1-10.

NEVADA STREAMFLOW FORECASTS - April 1, 1962

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

	April-July, Streamflow Thousands Acre Feet				
Forecast Stream	Forecast 1962	15-Yr. Av. 1943-57	1962 as % of 15-Yr.Av.	Measured Runoff 1961	Measured Runoff 1960
Owyhee River nr. Gold Creek, Nev.[1]	30	27	111	2	14
Owyhee River nr. Owyhee, Nev.[1]	95	86	110	17	43
Lamoille Creek nr. Lamoille, Nev.	29	28	104	17	19
So. Fk. Humboldt nr. Elko, Nev.	75	74	101	39	28
Humboldt River at Palisade, Nev.	190	225	85	51	63
Martin Creek nr. Paradise, Nev.	25	17	147	6	10
East Walker nr. Bridgeport, Cal.[2]	75	61	123	15	18
West Walker below E. Fk. nr. Coleville, Cal.	190	148	128	72	82
East Carson nr. Gardnerville, Nev.	230	189	121	87	91
West Carson at Woodfords, Cal.	63	54	117	22	28
Carson River nr. Carson City	225	184	122	46	50
Carson River at Ft. Churchill	210	171	123	27	30
Little Truckee River above Boca, California[5]	118	86*	137	27	41
Truckee River at Farad, Cal.[3, 5]	350	255	137	105	147
Lake Tahoe [4, 5]	2.00	1.50	133	0.67	0.54
Salmon Falls Creek nr. San Jacinto, Nevada	88**	88	100	26	64
	85***	85	100	24	62

1. Corrected for storage in Wild Horse Reservoir.
2. For period April through August corrected for storage in Bridgeport Reservoir.
3. Exclusive of Tahoe and corrected for storage in Boca Reservoir.
4. Maximum rise, in feet, from April 1, assuming gates closed.
5. Forecast issued by Truckee Basin Water Committee, composed of Truckee-Carson Irrigation District, Sierra Pacific Power Co. and Washoe County Water Conservation District.

* Subject to change.
** Forecast period of March-September.
*** Forecast period of March-July.

NEVADA

STATUS OF RESERVOIR STORAGE
APRIL 1, 1962

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET 1962	1961	1960	APRIL 1 15-YR. AVE. 1943-57
Owyhee	Wild Horse	33	24	17	13	17
Lower Humboldt	Rye Patch	179	47	13	28	115
Colorado	Mohave	1,810	1,707	1,684	1,568	1,492*
Colorado	Mead	27,217	18,041	18,212	19,171	16,437
Tahoe	Tahoe	732	89	109	330	473
Truckee	Boca	41	3	11	22	9
Carson	Lahontan	286	107	107	158	229
West Walker	Topaz	59	25	15	18	45
East Walker	Bridgeport	42	23	13	23	35

* Storage began in 1950

TOTAL RESERVOIR STORAGE
Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz and Bridgeport Reservoirs in 1000's Acre Feet

MONTH	1958-59	1959-60	1960-61	1961-62	AVERAGE 1943-57
October 1	985	489	263	65	732
January 1	890	367	206	57	787
February 1	947	398	218	73	842
March 1	1,038	494	254	210	877
April 1	1,066	592	285	318	923
May 1	1,036	632	300		971

TOTAL USABLE CAPACITY 1,372

NOTE: Wild Horse 1943-57 averages were inadvertently omitted from the AVERAGE 1943-57 column in last month's Report (March 1, 1962). The correct values (October 1-May 1) are those given in this Report.

SNOW WATER ACCUMULATION in NEVADA by BASIN

APRIL 1, 1962

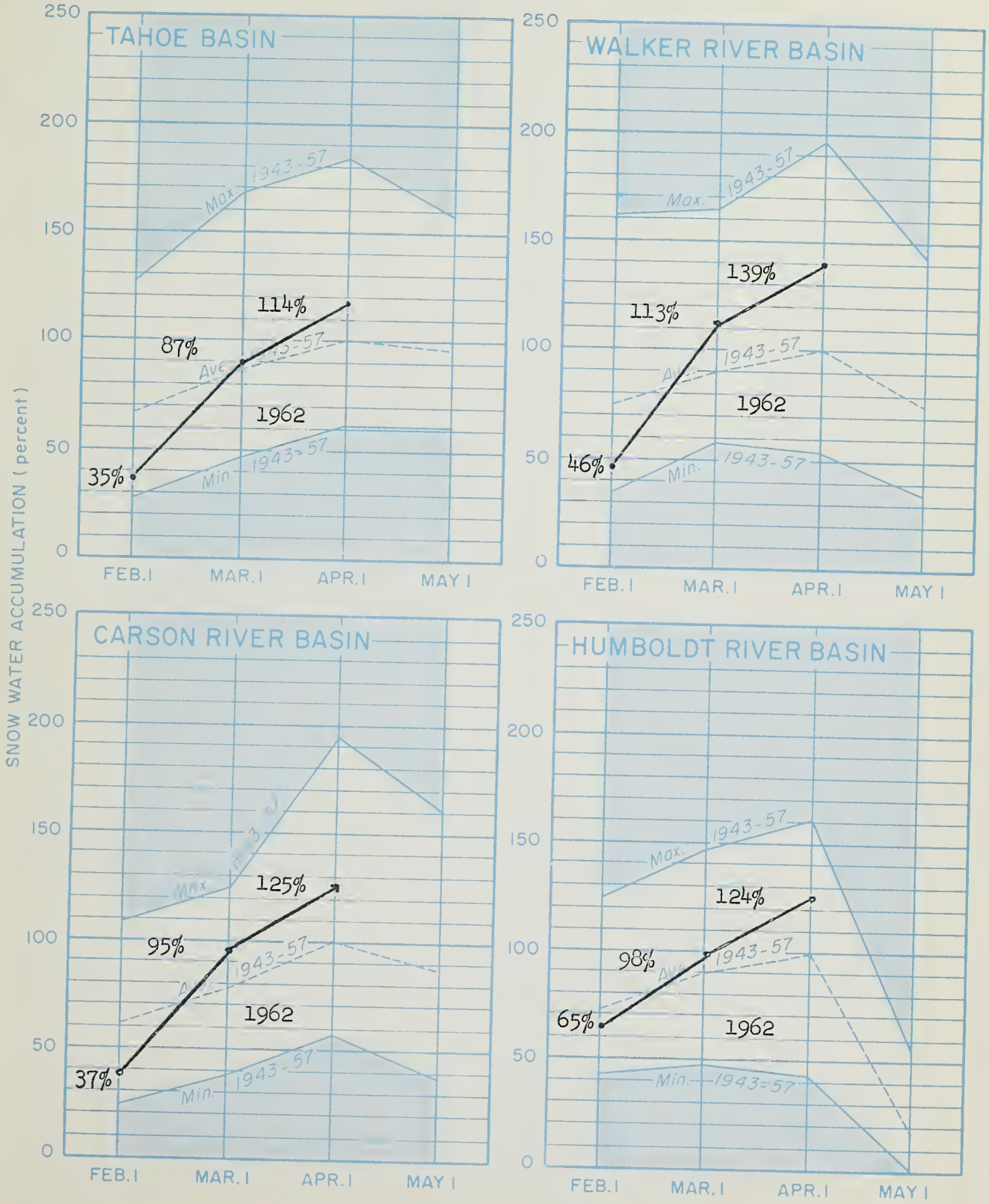


Plate 1

1962
37%
29%
1252%
1962
35%
57%
1144%
1962
65%
35%
1344%
1962
46%
113%
1.2%

SNOW SURVEY & WATER SUPPLY FORECAST

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D's.
WASHOE, STOREY & LYON COUNTIES, NEVADA

APRIL 1, 1962

Tahoe-Truckee streams are forecast to flow moderately above average amounts this spring and summer. The April 1, 1962 mountain snowpack is well above normal with high elevation snow courses at 120 to 130 percent of average. Median elevation snow courses are generally about 160 percent of average.

The Truckee Basin Water Committee forecast that Lake Tahoe will rise 2.00 feet from April 1 assuming gates closed. April 1 elevation of the Lake was 6223.69. This rise would raise the Lake to elevation 6225.69 at the high. Donner Lake, Independence Lake and Boca Reservoir are all expected to fill to capacity.

The Committee forecasts April-July flow of Truckee at Farad at 350,000 acre feet and Little Truckee above Boca at 118,000 acre feet. This is 137 percent of the 1943-57 average. It is anticipated that Floristan rates will be maintained throughout September and that the water supply for irrigation will be adequate. Since Lake Tahoe will probably be below 6224.0 by November 1, the Floristan rate will have to be reduced to 300 c.f.s. at that time.

Plate 2

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA-SCS-PORTLAND OREG 1958 M-1798-1 7-0-16079-1-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Boca	41	3	11	9
Lake Tahoe	732	89	109	473

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Little Truckee River above Boca	118	27	86*
2. Truckee River at Farad, Calif.	350	105	255
3. Lake Tahoe rise (In ft. from Apr. 1, assuming gates closed)	2.00	0.67	1.50

Note: Above forecasts prepared by Truckee Basin Water Committee

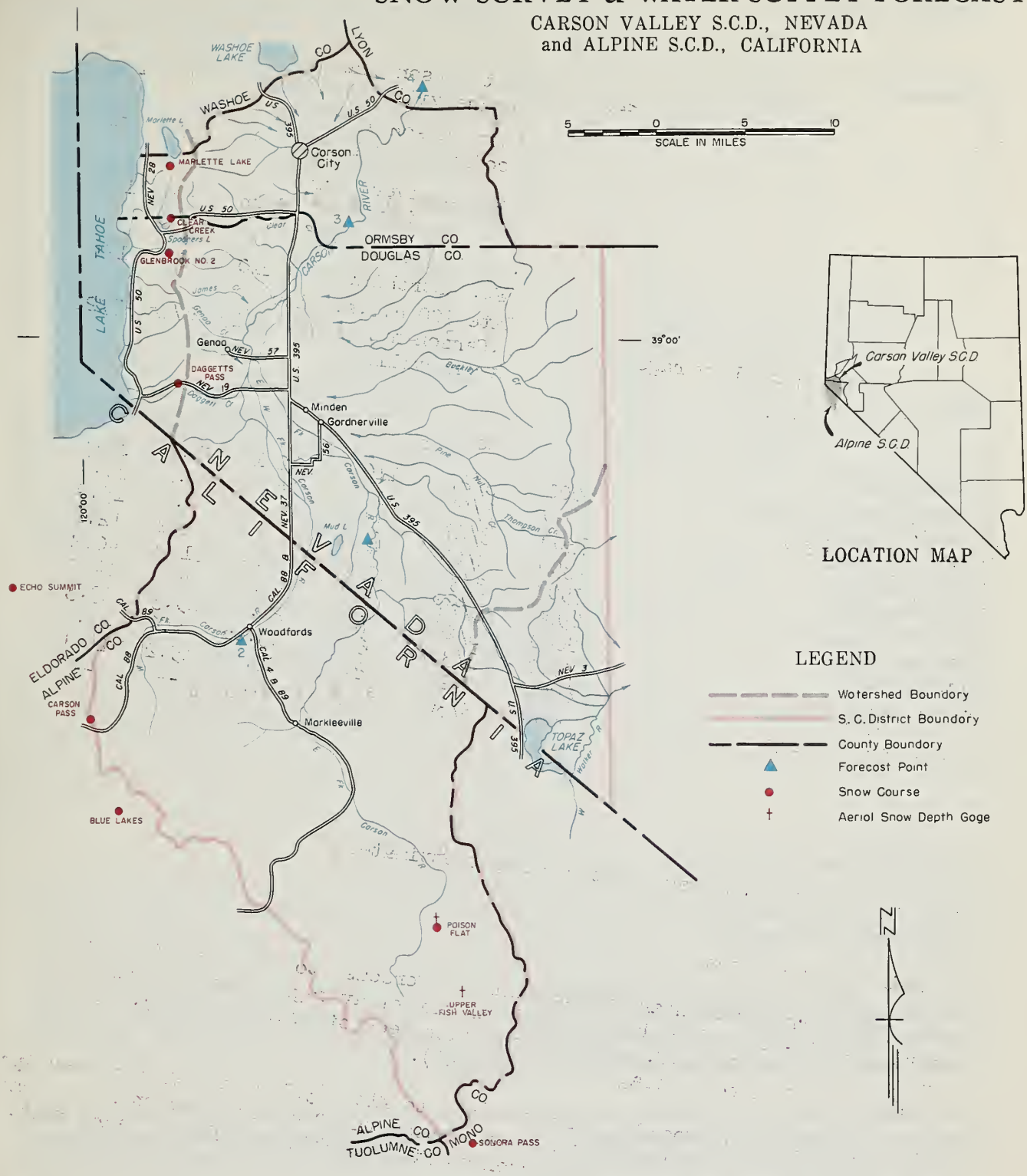
* Subject to change

SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
LAKE TAHOE						
Daggetts Pass	7350	3/26	49	18.1	3.2	12.1
Echo Summit	7500	3/30	111	46.3	21.2	40.3
Freel Bench	7300	3/27	54	22.5	5.2	11.4*
Glenbrook #2	6900	3/27	51	17.6	5.9	14.5
Hagans Meadow	8000	3/27	68	26.2	10.6	19.0*
Lake Lucille	8400	3/25	182	69.6	41.5	62.9
Little Valley	6300	3/28	41	15.2	2.2	8.4
Marlette Lake	8000	3/26	71	26.9	13.9	23.3
Richardsons #2	6500	3/27	75	26.6	8.8	17.8*
Rubicon #1	8100	3/24	157	55.1	30.8	50.2*
Rubicon #2	7500	3/24	104	37.1	18.1	31.5*
Tahoe City	6250	3/28	44	20.0	0.0	11.4
Upper Truckee	6400	3/27	44	18.3	3.1	7.4*
Ward Creek	7000	3/28	127	52.5	30.8	48.2*
TRUCKEE RIVER						
Boca #2	5900	3/28	28	10.1	T	5.2*
Donner Park #2	6000	3/27	79	29.4	9.1	--
Donner Summit	6900	3/28	111	48.5	25.3	39.7
Fordyce Lake	6500	3/27	128	52.8	31.2	41.2
Furnace Flat	6600	3/26	149	65.0	31.1	47.6*
Independence Camp	7000	3/29	75	30.0	12.0	24.2
Independence Creek	6500	3/29	55	21.6	4.6	15.5
Independence Lake	8450	3/29	118	45.4	24.8	41.9
Mt. Rose	9000	3/29	87	35.8	23.1	34.9
Sage Hen Creek	6500	3/30	66	26.1	9.0	18.9
Squaw Valley #2	7500	3/26	154	59.4	33.1	50.6*
Truckee #2	6400	3/30	59	23.1	7.0	17.1*
Webber Lake	7000	Report delayed			18.7	33.9
Webber Peak	8000	Report delayed			30.8	43.9

SNOW SURVEY & WATER SUPPLY FORECAST

CARSON VALLEY S.C.D., NEVADA
and ALPINE S.C.D., CALIFORNIA



APRIL 1, 1962

Carson Valley water users can expect a normal to moderately above normal irrigation season water supply this year. March 1962 increases in the mountain snowpack were 130 percent of average. The April 1 snowpack is 125 percent of average.

(Over)

Plate 3

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	107	107	229

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.
* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. East Carson near Gardnerville	230	87	189
2. West Carson at Woodfords, Calif.	63	22	54
3. Carson River near Carson City	225	46	184
4. Carson River at Ft. Churchill	210	27	171
Date 200 c.f.s. flow E. Carson nr. Gardnerville	7/29	6/28	7/22

APRIL 1, 1962

SNOW

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Blue Lakes	8000	3/27	116	42.1	21.9	36.1
Carson Pass, Upper	8600	3/25	118	44.8	20.2	35.4
Clear Creek	7300	3/27	54	20.3	6.9	15.0*
Daggetts Pass	7350	3/26	49	18.1	3.2	12.1
Echo Summit	7500	3/30	111	46.3	21.2	40.3
Glenbrook #2	6900	3/27	51	17.6	5.9	14.5
Marlette Lake	8000	3/26	71	26.9	15.3	23.3
Poison Flat	7900	3/30	64	23.6a	8.6	15.8
Sonora Pass	8800	3/21	87	33.4	15.2	24.1
Upper Fish Valley	8050	3/30	53	19.6a	--	--

a Aerial snow depth gage; water content estimated

Continued from front

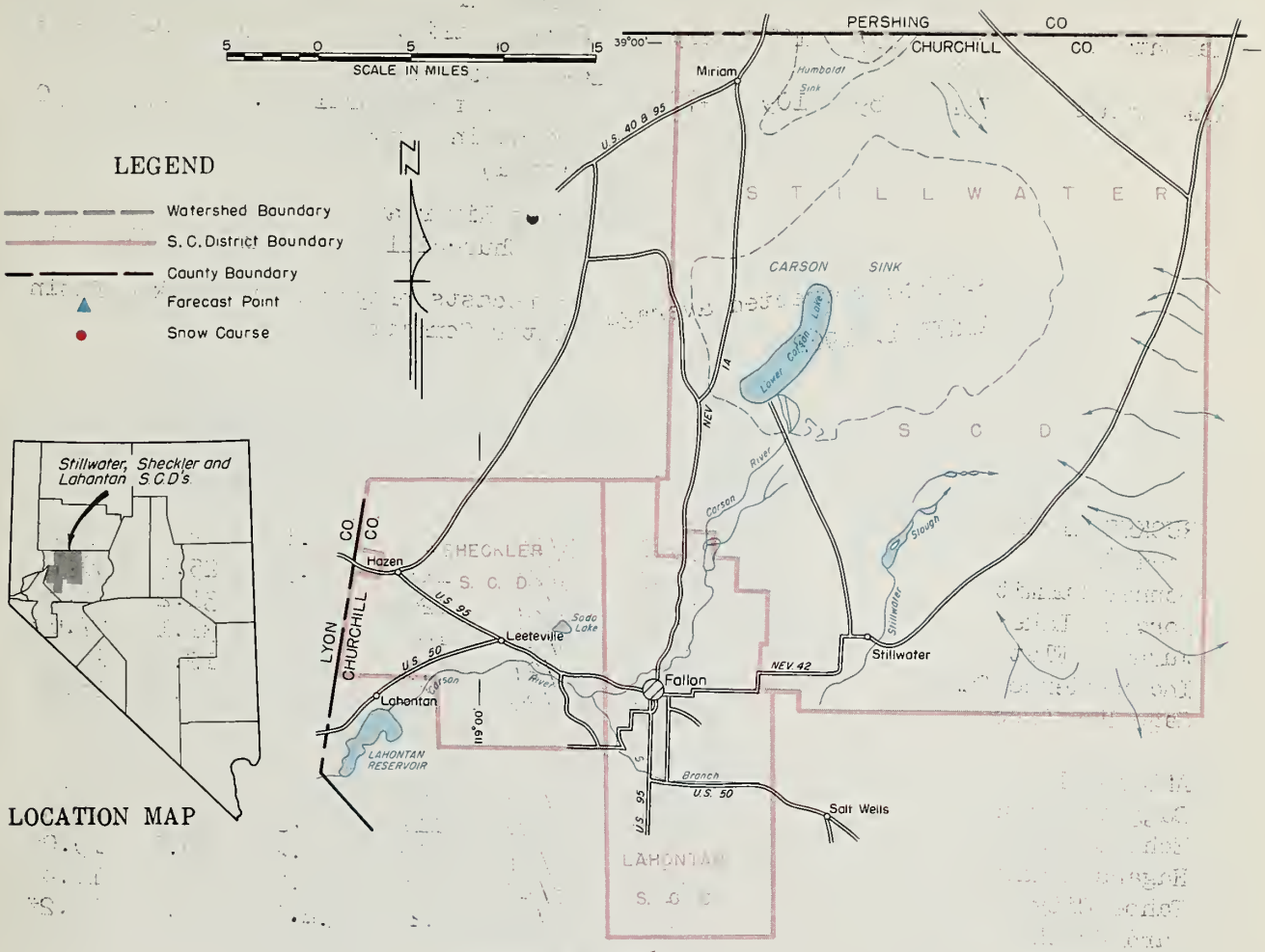
The East Fork Carson near Gardnerville is forecast to flow 230,000 acre feet during April-July 1962 which is 122 percent of average. This stream is forecast to drop to 200 c.f.s. during the last week of July (July 29). This is a week later than the average date (July 22).

The West Carson at Woodfords is forecast to flow 63,000 acre feet during April-July or 117 percent of average. Downstream the Carson at Carson is forecast to flow 225,000 acre feet and Carson at Ft. Churchill at 210,000 acre feet. This is 123 percent of average.

Lahontan gained 32,000 acre feet druing March from Truckee River diversions and Carson River inflow and now holds 107,000 acre feet. This is equal to last year but only 47 percent of average.

SNOW SURVEY & WATER SUPPLY FORECAST

STILLWATER, SHECKLER, LAHONTAN S.C.D's. & VICINITY
CHURCHILL COUNTY, NEVADA



APRIL 1, 1962

Fallon water users will have a near normal water supply this spring and summer. Lahontan Reservoir held 107,000 acre feet on April 1. Although this is only 47 percent of the 1943-57 April 1 average it is much improved over February 1, 1962 (35,000 acre feet) and March 1, 1962 (75,000 acre feet).

April 1, 1962 water content of snow in the Carson headwaters is 125 percent of average and 140 percent average in the Tahoe-Truckee. Median elevation snow courses particularly in the Tahoe-Truckee are 150 percent of average or more.

Carson River at Ft. Churchill is forecast to flow 210,000 acre feet which is 123 percent of the April-July average. During the same period the Truckee at Farad is forecast to flow 350,000 acre feet or 137 percent of average. It is anticipated that the Floristan rate of 500 c.f.s. can be maintained through September.

Lake Tahoe held 89,000 acre feet on April 1, 1962 at elevation 6223.69. A rise of 2.00 to elevation 6225.69 is forecast assuming gates closed from April 1. Lake Tahoe storage releases will probably be required sometime in July 1962 to sustain the Floristan rate.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG. 1958 M-179B-11 7-0-16079-11-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	107	107	229
Lake Tahoe	732	89	109	473

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.
* 1943-57 corrected average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
Truckee River at Farad, Calif.*	350	105	255
Lake Tahoe rise* (In ft. from April 1 assuming gates closed)	2.00	0.67	1.50
Carson River at Ft. Churchill	210	27	171

* Forecasts prepared by Truckee Basin Water Committee

SNOW

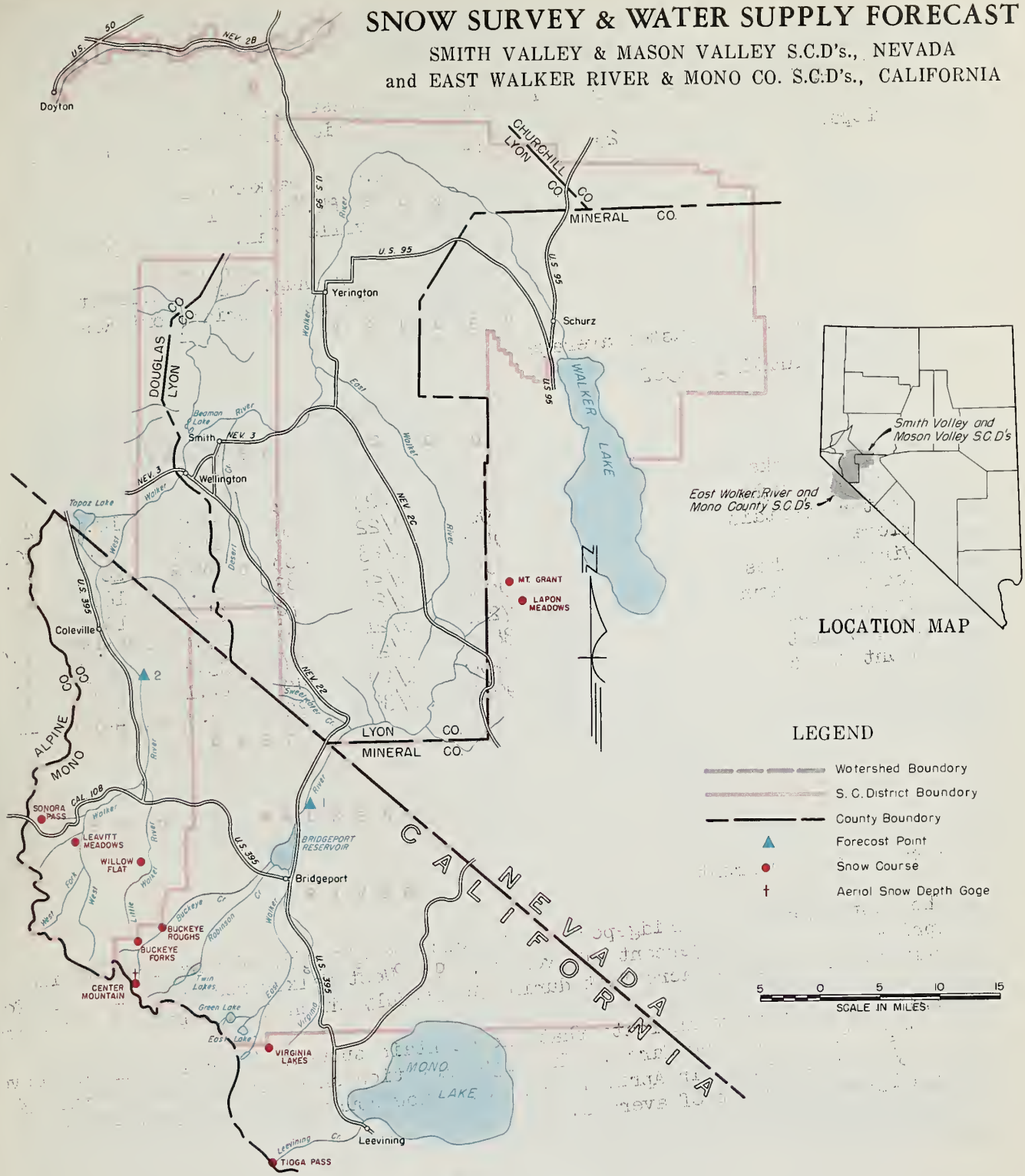
APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
TRUCKEE RIVER						
Boca #2	5900	3/28	28	10.1	T	5.2*
Donner Summit	6900	3/28	111	48.5	25.3	39.7
Fordyce Lake	6500	3/27	128	52.8	31.2	41.2
Furnace Flat	6600	3/26	149	65.0	31.1	47.6*
Independence Camp	7000	3/27	75	30.0	12.0	24.2
Sage Hen Creek	6500	3/30	66	26.1	9.0	18.9
LAKE TAHOE						
Daggetts Pass	7350	3/26	49	18.1	3.2	12.1
Echo Summit	7500	3/30	111	46.3	21.2	40.3
Hagans Meadow	8100	3/27	68	26.2	10.6	19.0*
Tahoe City	6250	3/28	44	20.0	0	11.4
Ward Creek	7000	3/28	127	52.5	30.8	48.2*
CARSON RIVER						
Blue Lakes	8000	3/27	116	42.1	21.9	36.1
Carson Pass, Upper	8600	3/25	118	44.7	20.2	35.4
Clear Creek	7300	3/27	54	20.3	6.9	15.0
Poison Flat	7900	3/30	64	23.6a	8.6	15.8

a Aerial snow depth gage; water content estimated.

SNOW SURVEY & WATER SUPPLY FORECAST

SMITH VALLEY & MASON VALLEY S.C.D's., NEVADA
and EAST WALKER RIVER & MONO CO. S.C.D's., CALIFORNIA



APRIL 1, 1962

Water users in Smith and Mason Valleys as well as those in Antelope Valley and Bridgeport Valley will have a normal irrigation water supply this spring and summer. Stored water supplies are still below average. Accordingly full storage water allotments will not be possible.

Topaz Reservoir held 25,000 acre feet on April 1 which is 55 percent of average. Bridgeport Reservoir held 23,000 or 65 percent of average on the same date.

(Over)

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG 1959 M-1798-10

7-0-16079-10-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Bridgeport	42	23	13	35
Topaz	59	25	15	45

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.
* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. East Walker* nr. Bridgeport, Cal.	75	15	61
2. West Walker below E.Fk. nr. Coleville, Cal.	190	72	148

* Apr.-Aug. runoff corrected for change in Bridgeport Reservoir.

SNOW

APRIL 1, 1962

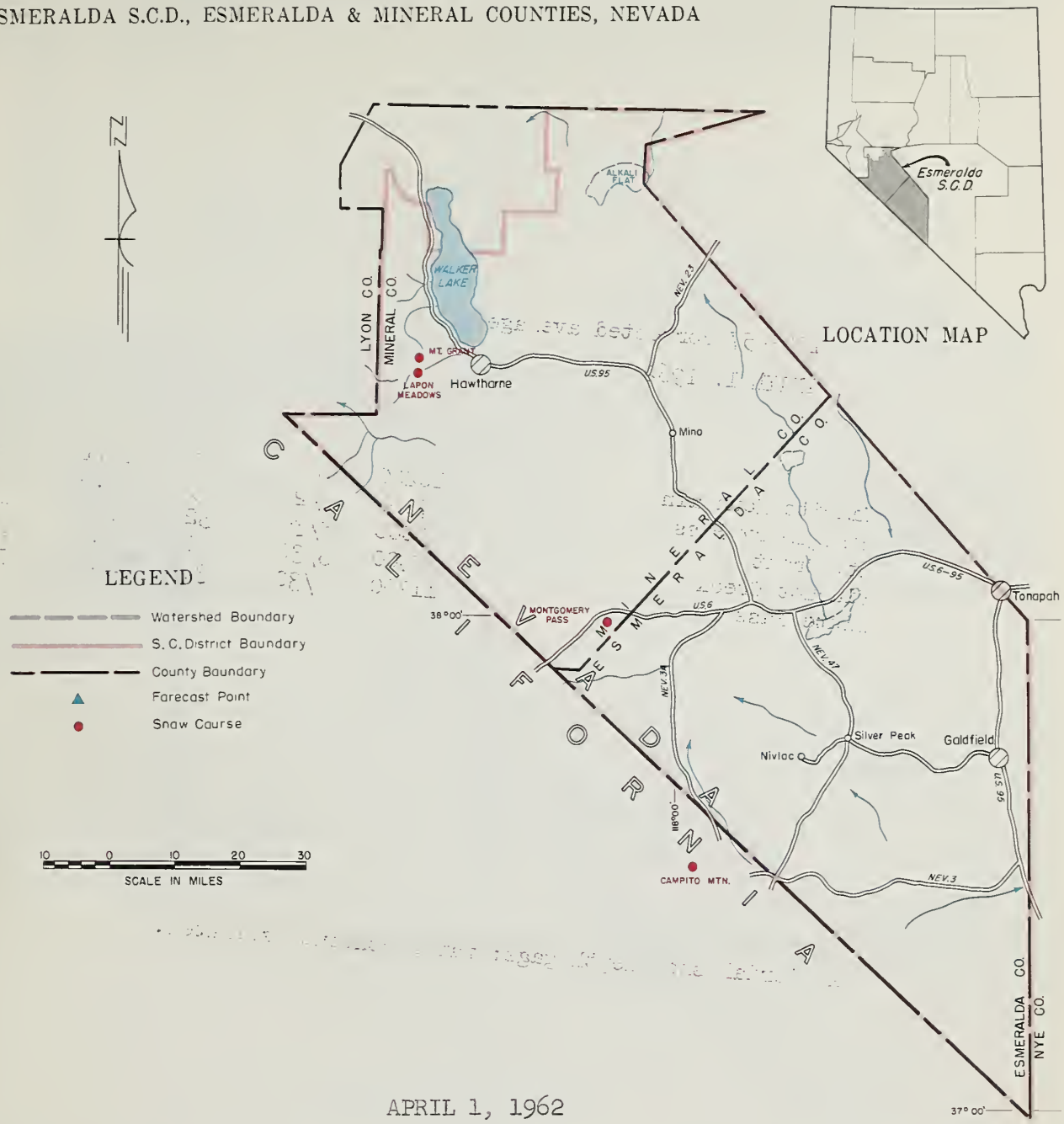
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Buckeye Forks	8500	3/23	82	26.6	10.0	20.2*
Buckeye Roughs	7900	3/22	91	30.5	9.4	20.4
Center Mountain	9400	3/23	133	48.6	20.4	38.3*
Tioga Pass	9900	3/27	83	30.8	16.8	24.9
Virginia Lakes	9500	3/20	70	24.8	10.0	18.0*
Leavitt Meadows	7200	3/21	46	17.8	0.0	7.0*
Sonora Pass	8800	3/21	87	33.4	15.2	24.1
Willow Flat	8250	3/20	48	17.1	7.3	10.3*
Mount Grant	9000	3/30	32	9.8	--	--

Continued from front

The East Walker near Bridgeport is forecast to flow 75,000 acre feet during April-August or 123 percent of average. The West Walker near Coleville is forecast to flow 190,000 acre feet during April-July which is 128 percent of average.

April 1 snow surveys indicate that the mountain snowpack increased in an above average fashion during March. The high elevation snow courses range from 124 to 138 percent of their April 1 average. Snow courses below 8500 feet vary from 132-254 percent of average.

SNOW SURVEY & WATER SUPPLY FORECAST
ESMERALDA S.C.D., ESMERALDA & MINERAL COUNTIES, NEVADA



APRIL 1, 1962

Snowpack in the White Mountains is normal to above normal for this time of year. Some of the higher elevation snow increased in water content during the month while at lower elevations the snow is about gone due to warm temperatures.

Campito Mountain snow course water content increased from 9.5 inches to 11.1 inches and Montgomery Pass at a lower elevation decreased from 3.9 inches to 1.9 inches of water content.

Good spring and early summer runoff is anticipated in this area. Ground water recharge to Fish Lake Valley will be excellent this year.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG 1961 M-1798-13 7-0-16079-13-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 corrected average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

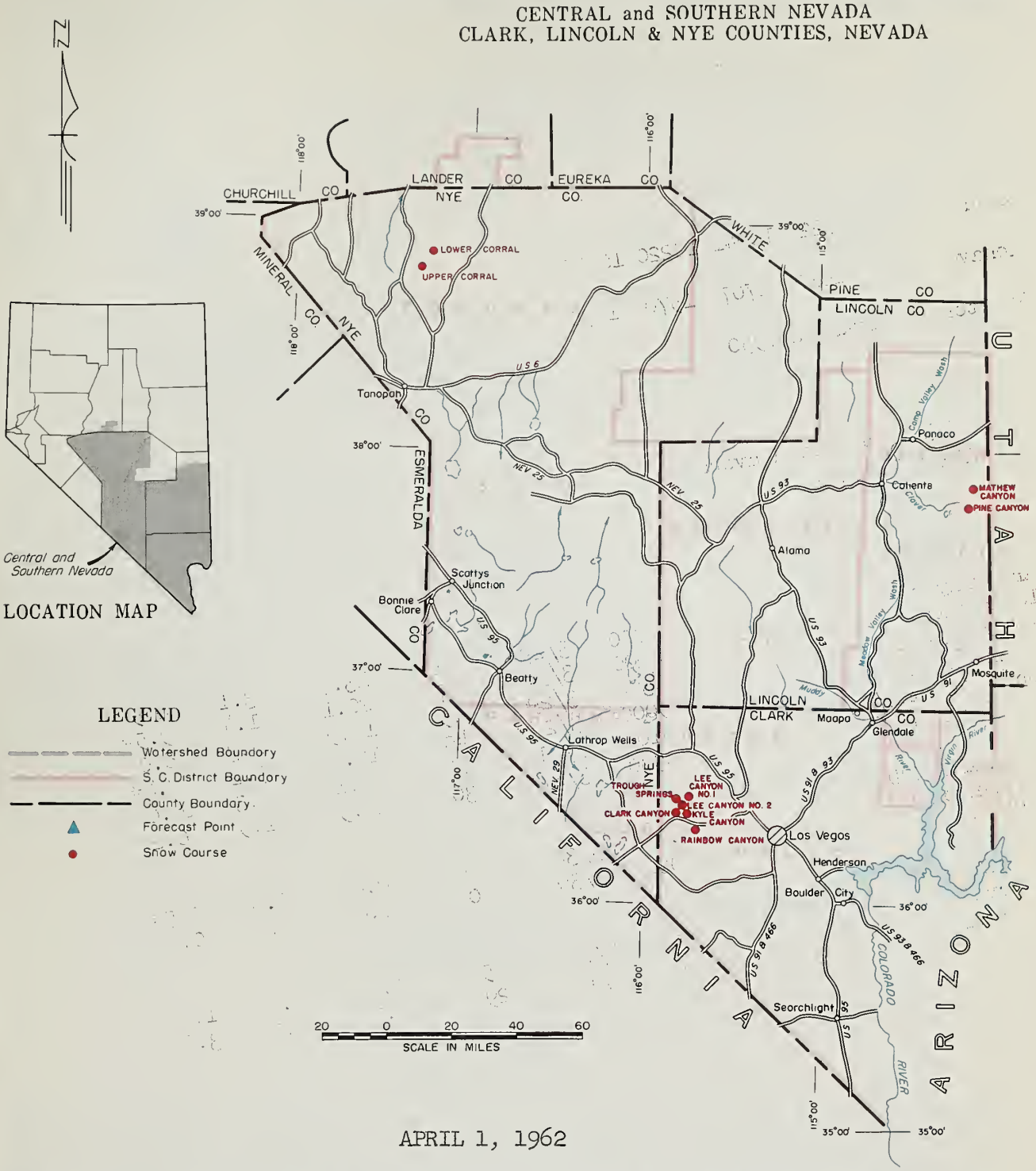
SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Campito Mountain	10200	4/2	26	11.1	4.0	--
Montgomery Pass	7100	3/27	5	1.9	0.0	--
Mt. Grant	9000	3/30	32	9.8	--	--
Pinchot Creek	9300	3/30	0	0.0a	New course	
Piute Pass	11700	3/30	36	15.5a	New course	

a Aerial snow depth gage; water content estimated.

SNOW SURVEY & WATER SUPPLY FORECAST

CENTRAL and SOUTHERN NEVADA
CLARK, LINCOLN & NYE COUNTIES, NEVADA



APRIL 1, 1962

The April 1, 1962 snowpack in the Spring Mountains northwest of Las Vegas is excellent. The snow courses in this area have the best water content since 1952. In aggregate the snowpack water content is 185 percent of the April 1, 1943-57 average. Ground water recharge from the Spring Mountains will be excellent.

Pine and Mathew snow courses have lost all of their snow which is typical of this snow area in Meadow Valley Wash. February 1, 1962 water content was 360 percent of average and March 1, 1962 was 100 percent of average. Spring season forage growth should be good.

(Over)

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS-PORTLAND, OREG. 1966 M-1798-14

7-0-16079-14-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Mead	27220	18041	18220	16440
Mohave	1810	1707	1570	1490**

** Storage began in 1950

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

* 1943-57 adjusted average

SNOW APRIL 1, 1962

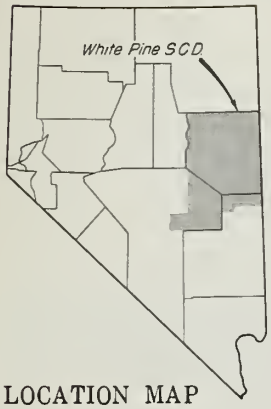
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Clark Canyon	9000	3/29	41	13.7	3.1	8.5*
Kyle Canyon	8200	3/31	47	20.1	1.4	9.5*
Lee Canyon #1	8300	3/29	45	16.9	1.3	8.0
Lee Canyon #2	9000	3/29	49	18.8	3.2	9.6*
Rainbow Canyon #2	8100	3/31	67	26.1	4.3	16.0*
Trough Springs	8500	3/27	30	10.9	1.9	6.2*
MEADOW VALLEY SCD						
Mathew Canyon	6200	3/30	0	0.0	0.0	0.5*
Pine Canyon	6000	3/30	0	0.0	0.0	0.8*
TONOPAH SCD						
Lower Corral	7500	4/1	5	1.6	0.0	1.4*
Upper Corral	8500	4/1	29	10.3	0.5	3.6*

Continued from front

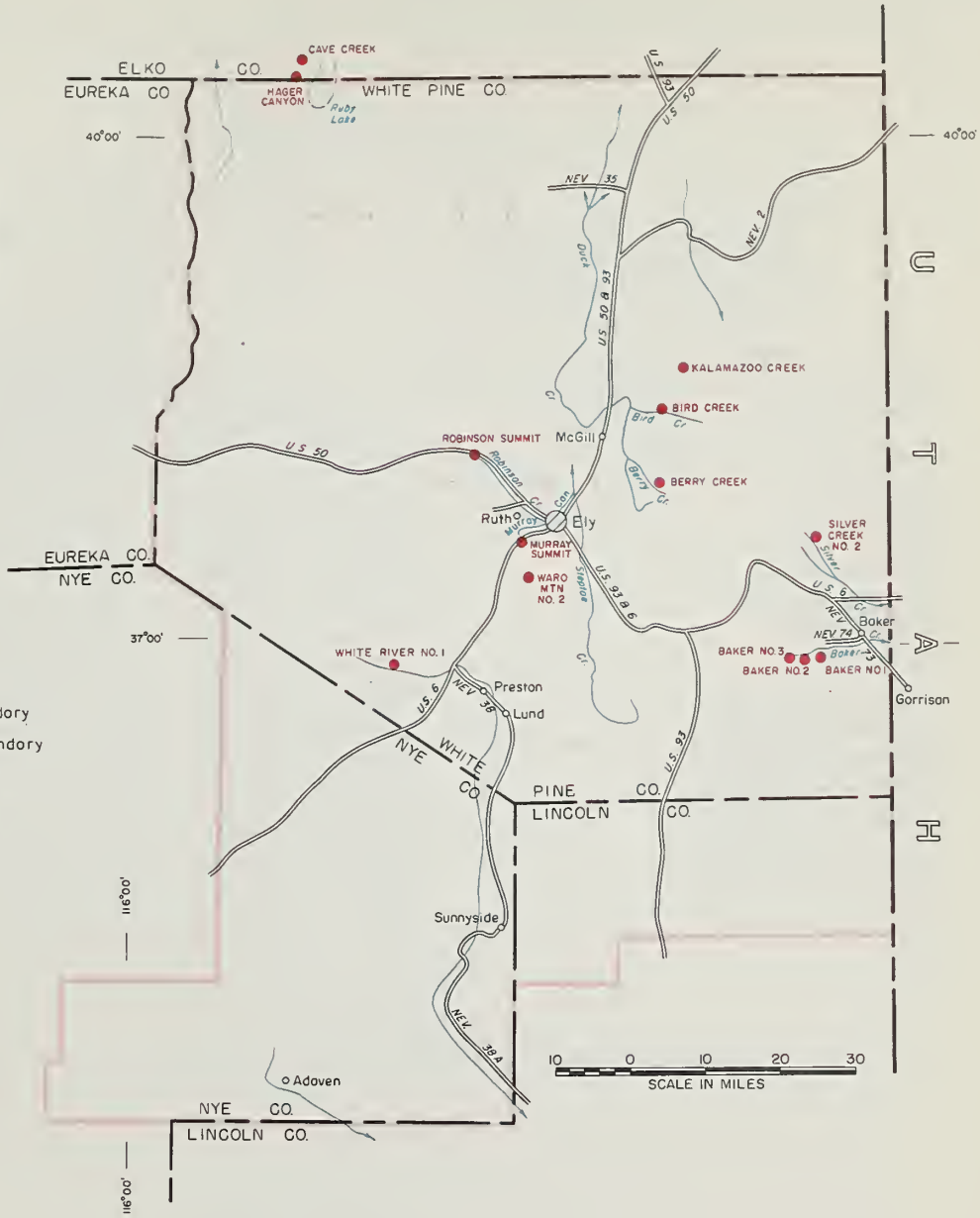
The Corral snow courses north of Tonopah are much above normal. Streams in this area will have average to above average streamflow this irrigation season.

SNOW SURVEY & WATER SUPPLY FORECAST

WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



LOCATION MAP



APRIL 1, 1962

Mountain snowpack in White Pine County is above average. The snowpack varies from 130 percent of average in the Snake Mountains to 137 percent in the Schell Creek Range and is 112 percent in the Ward Mountain area. The two snow courses near the Ruby Wildlife Refuge were 148 percent of average.

Streams such as Bird, Berry, Silver, Baker and Steptoe will have good to excellent streamflow this spring and summer.

Range conditions will be excellent this year due to good fall precipitation and the above normal snowpack.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS-PORTLAND OREG. 1966 M-1798-9

7-0-16079-9-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

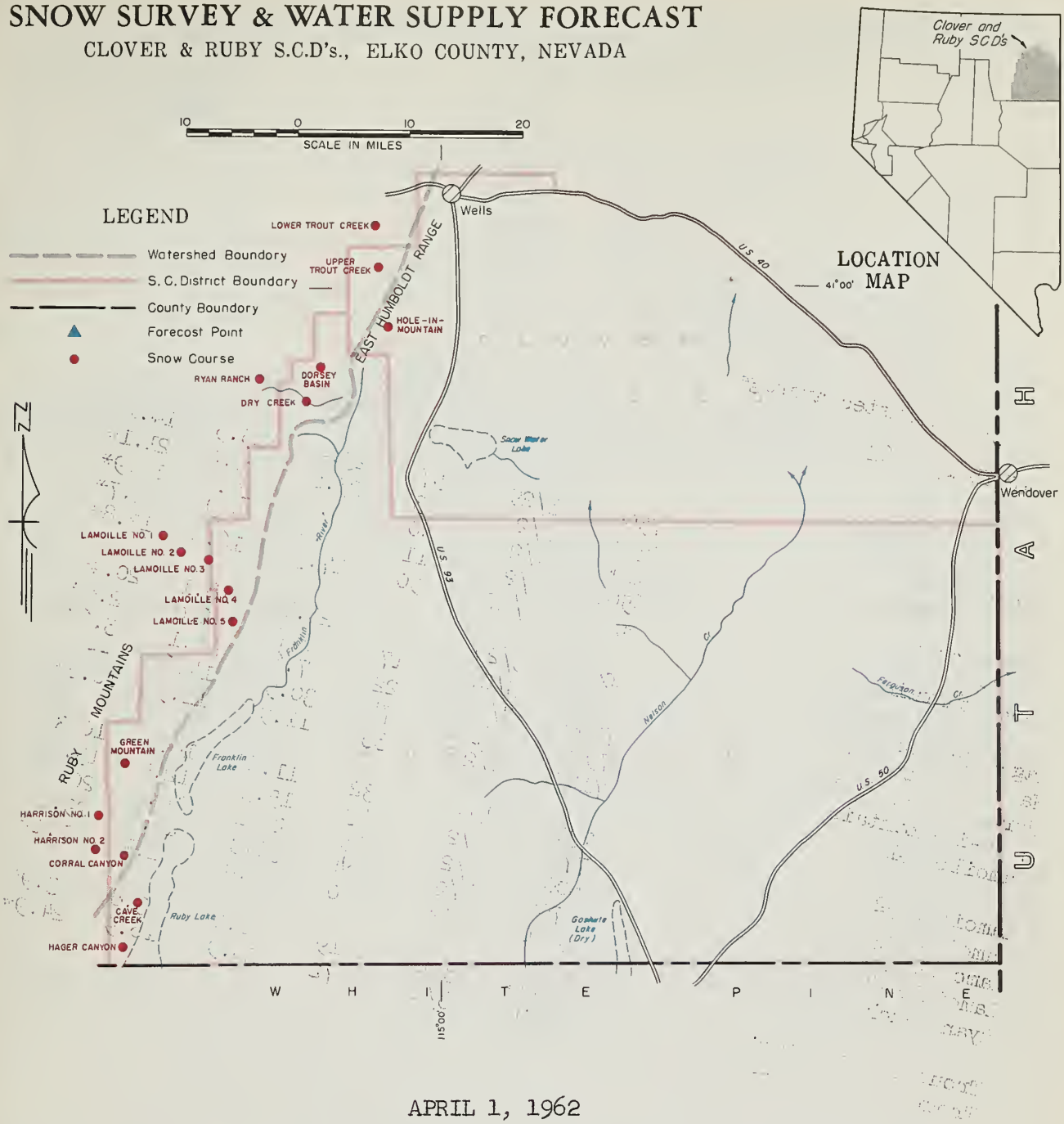
FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Baker #1	7950	3/26	32	10.1	4.3	6.5
Baker #2	8950	3/26	65	22.3	12.6	17.7
Baker #3	9250	3/26	78	27.0	15.2	19.5
Berry Creek	9100	3/29	66	24.0	14.9	18.9*
Bird Creek	7500	3/29	19	5.3	3.8	3.6*
Cave Creek	7500	3/29	57	23.4	15.5	14.1*
Hager Canyon	8000	3/29	67	26.8	18.1	20.4*
Kalamazoo Creek	7400	3/30	32	10.4	6.8	--
Murray Summit	7250	3/28	15	4.4	2.0	3.0
Robinson Summit	7600	3/30	5	1.8	1.7	2.2*
Silver Creek #2	8000	3/27	33	8.3	6.6	8.3*
Ward Mtn. #2	8900	3/28	65	21.9	7.6	20.2*
White River #1	7400	3/28	11	4.1	T	--

SNOW SURVEY & WATER SUPPLY FORECAST

CLOVER & RUBY S.C.D's., ELKO COUNTY, NEVADA



APRIL 1, 1962

Snowpack in the Ruby Mountains increased in an above normal manner during March. The snow courses in the Ruby Mountains now hold 124 percent of their April 1 average compared to 103 percent on March 1.

Water users in Clover and Ruby Valley SCD's will have a good to excellent water supply this year. Water supply in the Ruby Wildlife Refuge area will be above normal this year.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG 1958 M-1798-6

7-0-16079-6-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.
* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

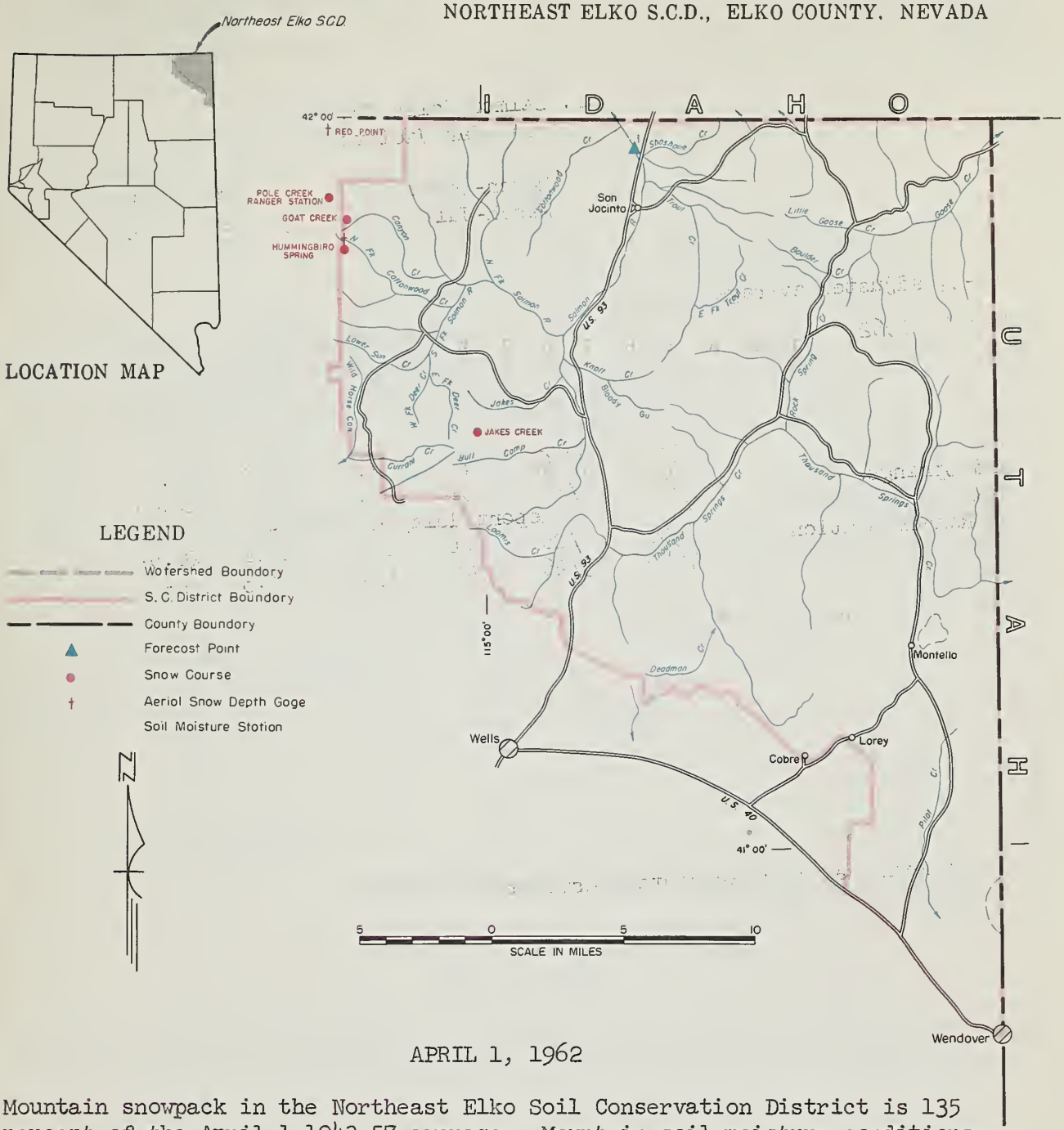
FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Cave Creek	7500	3/29	57	23.4	15.5	14.1*
Corral Canyon	8500	3/28	73	25.2	22.2	21.1*
Dorsey Basin	8100	4/2	50	18.5	16.0	14.9*
Dry Creek	6500	4/2	11	4.6	2.4	3.7*
Green Mountain	8000	3/27	50	17.3	16.3	13.8*
Hager Canyon	8000	3/29	67	26.8	18.1	20.4*
Harrison Pass #1	6600	3/27	17	5.7	6.0	2.8*
Harrison Pass #2	7400	3/27	22	7.6	8.1	3.6*
Hole-in-Mountain	7900	3/31	74	30.9	14.6	--
Lamoille #1	7100	4/2	33	11.9	11.5	10.6*
Lamoille #2	7300	4/2	32	11.8	10.8	10.3*
Lamoille #3	7700	4/2	43	15.3	12.6	13.8*
Lamoille #4	8000	4/2	65	24.2	18.0	20.4*
Lamoille #5	8700	4/2	84	32.3	25.0	29.6*
Ryan Ranch	5800	4/2	0	0.0	2.1	1.1*
Trout Creek, Lower	6900	3/26	19	6.0	3.8	3.9*
Trout Creek, Upper	8500	3/26	72	26.9	18.9	24.9*

SNOW SURVEY & WATER SUPPLY FORECAST

NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



APRIL 1, 1962

Mountain snowpack in the Northeast Elko Soil Conservation District is 135 percent of the April 1 1943-57 average. Mountain soil moisture conditions are rated as fair to good with some soil moisture deficiencies at the higher elevations. The above average snowpack will offset these deficiencies with a resultant average water supply outlook for streams this irrigation season.

Salmon Falls Creek near San Jacinto is forecast to flow 85,000 acre feet during March-July or 100 percent of average.

Conditions are very favorable for good forage growth this spring and early summer.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE M-1798-7 7-0-16079-7-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Salmon Falls Cr. near San Jacinto			
March-Sept.	88	26	88
March-July	85	24	85

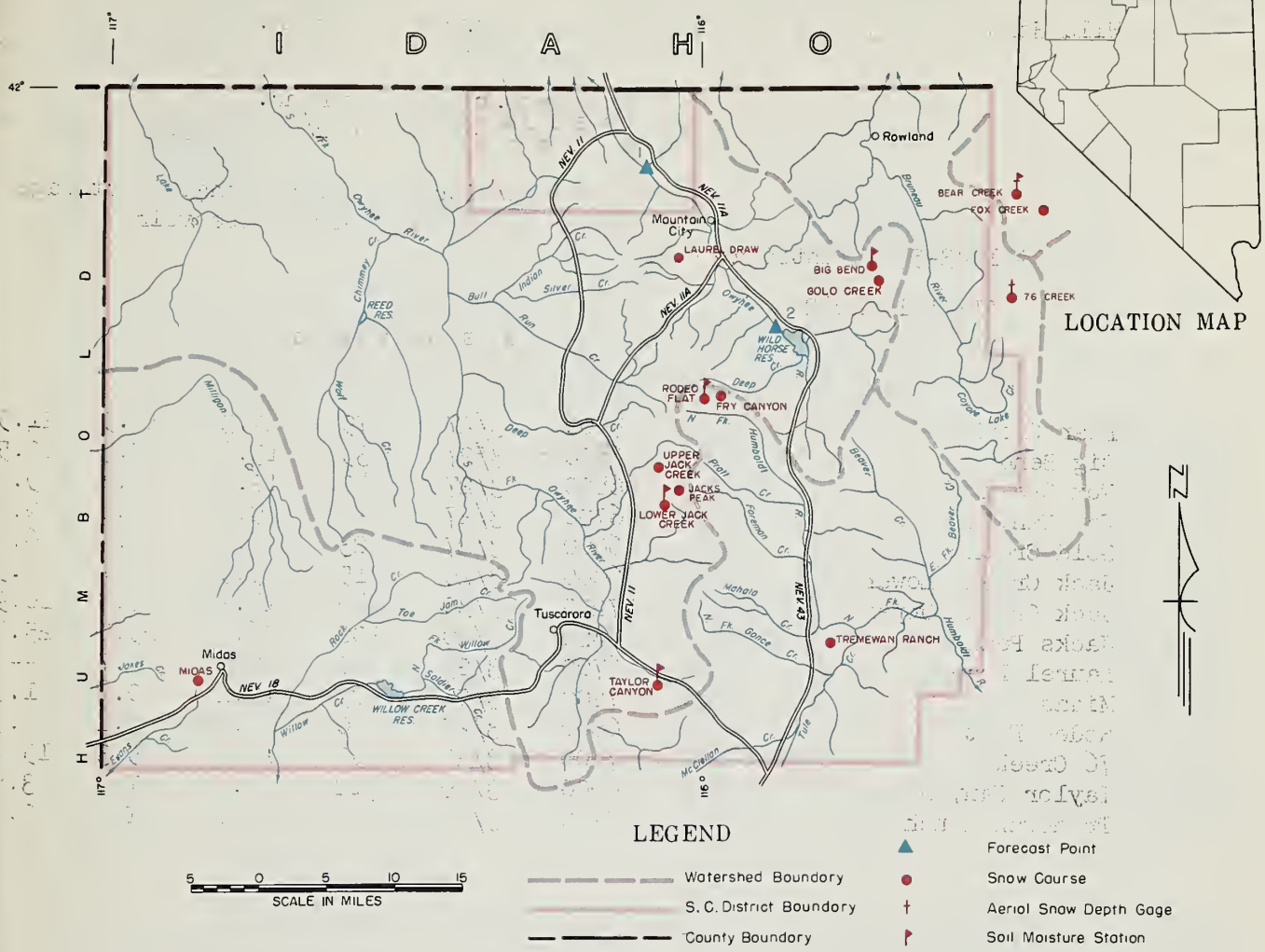
SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Goat Creek	8800	3/26	77	27.8	14.6	18.9*
Hummingbird Springs	8945	3/26	91	31.5	18.2	22.8*
Jakes Creek	7000	Report delayed			--	--
Pole Creek Ranger Station	8300	3/26	71	23.9	18.1	20.5*
Red Point	7940	3/26	45	15.2a	11.3	--

a Aerial snow depth gage; water content estimated

SNOW SURVEY & WATER SUPPLY FORECAST

DUCK VALLEY &OWYEE S.C.D's. ELKO COUNTY, NEVADA



APRIL 1, 1962

Snowpack in the Owyhee watershed is much improved over last month. Snow course water content on the Owyhee watershed is about 120 percent of average for April 1.

Streamflow is expected to be above normal this year. The Owyhee near Gold Creek is forecast to flow 30,000 acre feet or 111 percent of average during the April-July period while the Owyhee near Owyhee is forecast to flow 95,000 acre feet or 110 percent of average.

Wild Horse Reservoir contained 24,000 acre feet on April 1 and will spill this year.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG 1958 M-1798-5

7-0-16079-5-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	33	24	17	17

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Owyhee River nr. Owyhee 1/	95	17	86
2. Owyhee River nr. Gold Creek 1/	30	2	27

1/ Corrected for change in storage in Wild Horse Reservoir

SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Bear Creek	7800	3/27	79	24.3	14.9	21.5*
Big Bend	6700	3/27	39	13.6	7.3	10.5
Fox Creek	6800	3/27	40	12.9	6.4	9.1*
Fry Canyon	6700	3/27	26	9.4	6.5	9.2
Gold Creek	6600	3/27	23	8.4	3.4	6.0
Jack Creek, Lower	6800	3/29	15	5.5	3.7	2.5
Jack Creek, Upper	7250	3/30	40	14.7	9.3	10.9
Jacks Peak	8420	3/30	100	36.4	25.5	25.4*
Laurel Draw	6700	3/29	27	9.8	8.7	--
Midas	7200	3/26	29	10.2	0.8	1.9*
Rodeo Flat	6800	3/27	20	6.8	5.2	8.7
76 Creek	7100	3/26	50	17.3	9.3	15.7*
Taylor Canyon	6200	3/29	12	4.8	T	3.5
Tremewan Ranch	5700	3/27	0	0.0	T	0.8

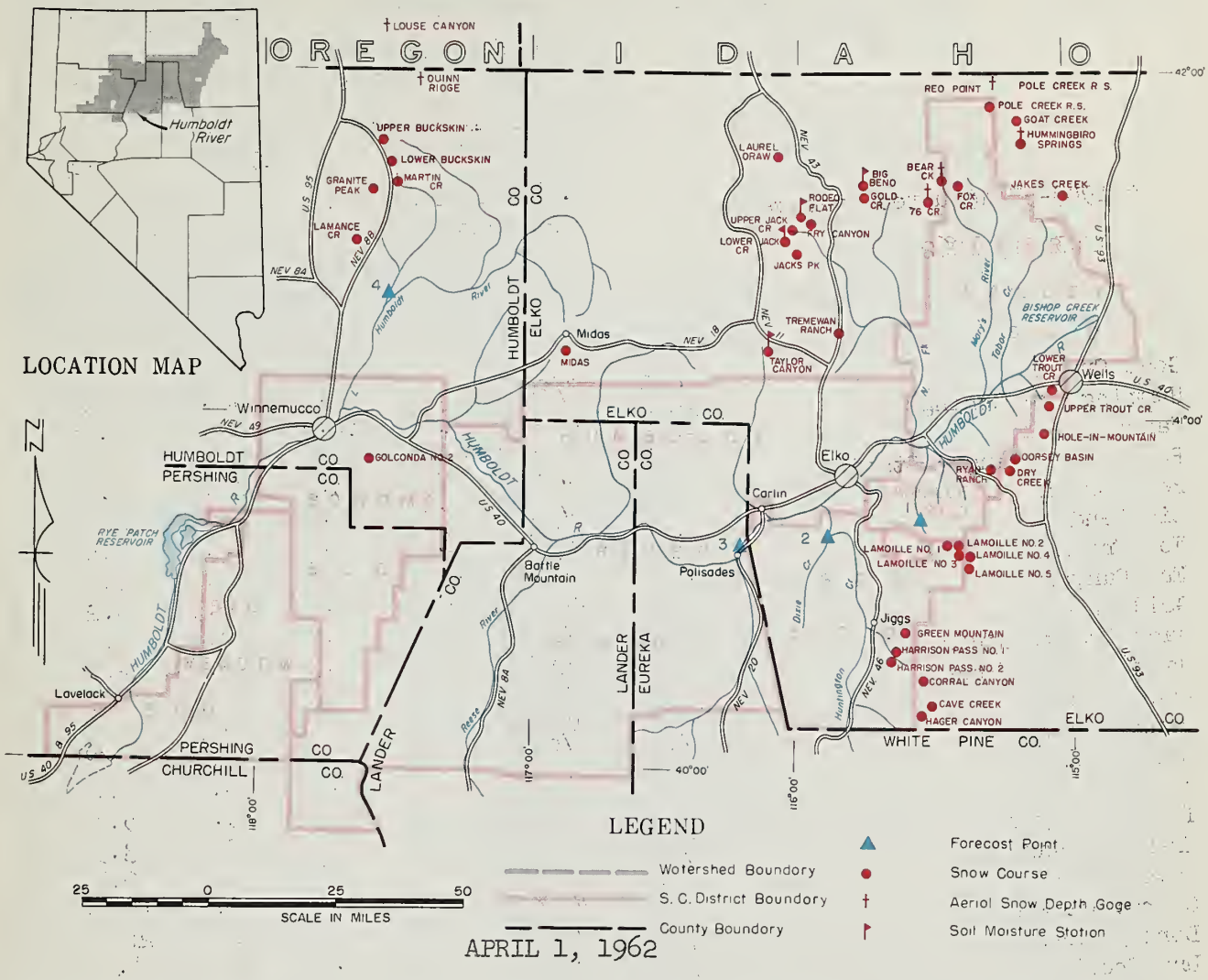
AVAILABLE SOIL MOISTURE

STATION NAME	ELEVATION	PROFILE (Inches): DEPTH	AVAILABLE CAPACITY	SOIL MOISTURE (Inches): DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Bear Creek	7800	72	8.4	3/27	2.9	1.7	6.4
Big Bend	6700	48	9.6	3/27	7.8	7.9	9.2
Jack Creek, Lower	6800	48	4.9	3/29	4.8	4.8	4.1
Rodeo Flat	6800	42	6.0	3/27	6.0	6.0	6.0
Taylor Canyon	6200	48	9.7	3/29	9.4	8.1	6.5

SNOW SURVEY & WATER SUPPLY FORECAST

HUMBOLDT RIVER

CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA



APRIL 1, 1962

Irrigation season water supplies for 1962 along the Humboldt River and its tributaries are forecast to be the best since 1958. The mountain snowpack increased in an above normal fashion during March and is now 124 percent of the April 1, 1943-57 average. Mountain soils are well wetted at the median elevations. Some soil moisture deficiencies exist at the higher elevations of the watershed but these will be offset by the above average snowpack.

The Humboldt at Palisade is forecast to flow 190,000 acre feet during April-July or 85 percent of average. Upstream the South Fork Humboldt near Elko is expected to flow 75,000 acre feet or 101 percent of its April-July average. Lamoille Creek near Lamoille is forecast at 29,000 acre feet for April-July which is 104 percent of average. Martin Creek near Paradise Valley is forecast to flow 25,000 acre feet during April-July (147 percent average).

Rye Patch Reservoir gained 32,000 acre feet during March and held 47,000 acre feet on April 1. In view of the improved outlook for April-July streamflow of Humboldt at Palisade, the March Reservoir gain and the good soil moisture condition of meadow lands along the Humboldt the preliminary March 1, 1962 water allotment of 1 1/2 feet set by the Pershing County Water Conservation District will be raised to around a 2-foot allotment.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND ORE. 1959 M-1798-2 7-0-16079-2-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	47	13	115

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.
* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

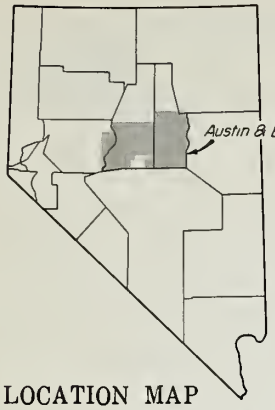
FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Lamoille Creek near Lamoille	29	17	28
2. So. Fork Humboldt River near Elko	75	39	74
3. Humboldt River at Palisade	190	51	225
4. Martin Creek nr. Paradise Valley	25	6	17

SNOW APRIL 1, 1962

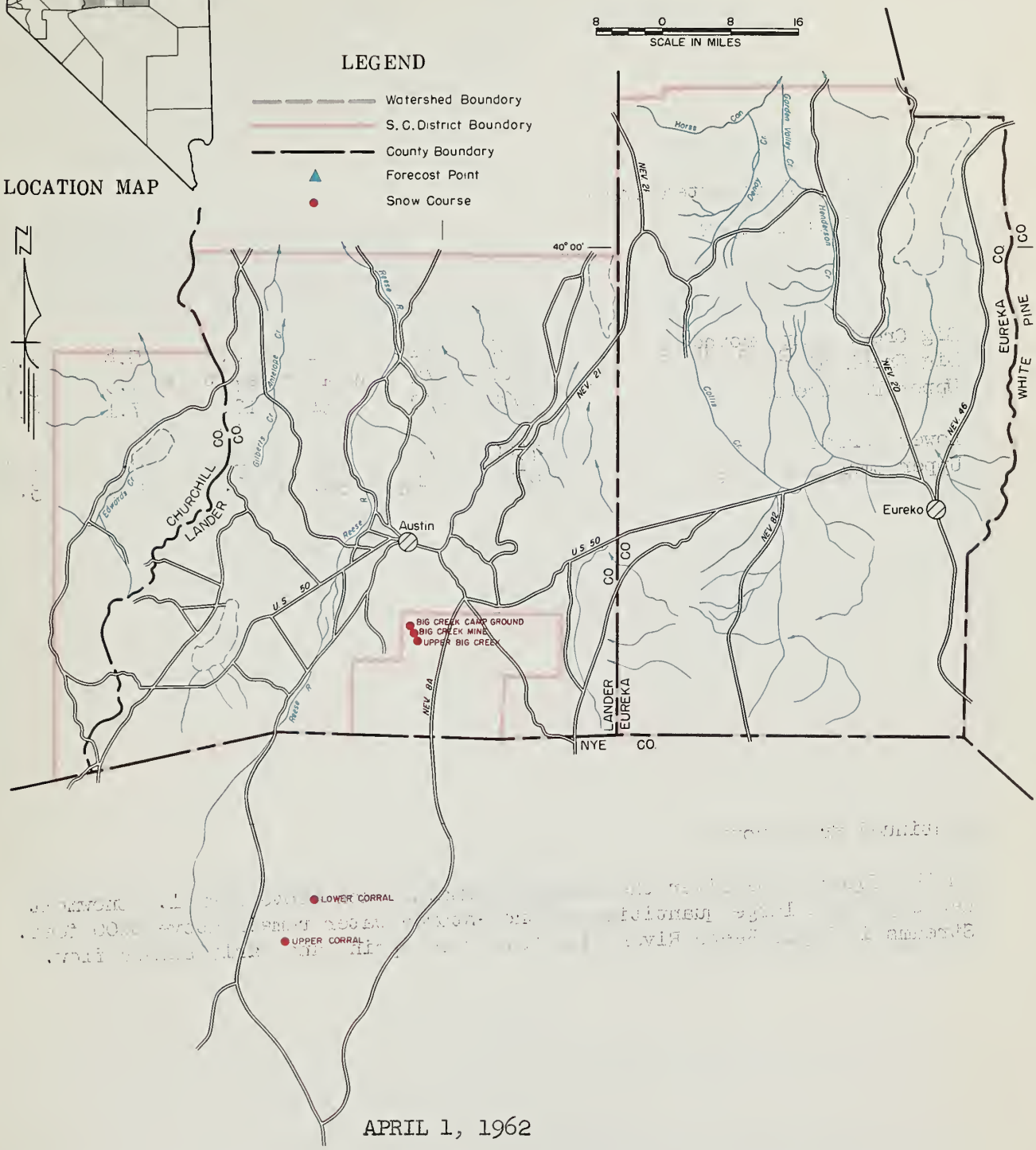
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Goat Creek	8800	3/26	77	27.8	14.6	18.9*
Hummingbird Springs	8945	3/26	91	31.5	18.2	22.8*
Jakes Creek	7000	Report delayed			--	--
Pole Creek Ranger Station	8330	3/26	71	23.9	15.7	20.5*
Bear Creek	7800	3/27	79	24.3	14.9	21.5*
Big Bend	6700	3/27	39	13.6	7.3	10.5
Fox Creek	6800	3/27	40	12.9	6.4	9.1*
Fry Canyon	6700	3/27	26	9.4	6.5	9.2
Gold Creek	6600	3/27	23	8.4	3.4	6.0
Jack Creek, Lower	6800	3/29	15	5.5	3.7	2.5
Jack Creek, Upper	7250	3/30	40	14.7	9.3	10.9
Jacks Peak	8420	3/30	100	36.4	25.5	25.4*
Laurel Draw	6700	3/29	27	9.8	8.7	--
Rodeo Flat	6800	3/27	20	6.8	5.2	8.7
76 Creek	7100	3/26	50	17.3	9.3	15.7*
Taylor Canyon	6200	3/29	12	4.8	T	3.5
Tremewan Ranch	5700	3/27	0	0.0	T	0.8
Cave Creek	7500	3/29	57	23.4	15.5	14.1*
Corral Canyon	8500	3/28	73	25.2	22.2	21.1*
Dorsey Basin	8100	4/2	50	18.5	16.0	14.9*
Dry Creek	6500	4/2	11	4.6	2.4	3.7*
Green Mountain	8000	3/27	50	17.3	16.3	13.8*
Hager Canyon	8000	3/29	67	25.8	18.1	20.4*
Harrison Pass #1	6600	3/27	17	5.7	6.0	2.8*
Harrison Pass #2	7400	3/27	22	7.6	8.1	3.6*
Hole-in-Mountain	7900	3/31	74	30.9	14.6	--
Lamoille #1	7100	4/2	33	11.9	11.5	10.6*
Lamoille #2	7300	4/2	32	11.8	10.8	10.3*
Lamoille #3	7700	4/2	43	15.3	12.6	13.8*
Lamoille #4	8000	4/2	65	24.2	18.0	20.4*
Lamoille #5	8700	4/2	84	32.3	25.0	29.6*
Ryan Ranch	5800	4/2	0	0.0	2.1	1.1*
Trout Creek, Lower	6900	3/26	19	6.0	3.8	3.9*
Trout Creek, Upper	8500	3/26	72	26.9	18.9	24.9*
Midas	7200	3/26	29	10.2	0.8	1.9*
Golconda #2	6000	4/2	23	9.5	1.2	--
Buckskin, Lower	6700	3/28	34	11.7	8.2	8.5*
Buckskin, Upper	7200	3/28	43	15.6	11.6	9.2*
Granite Peak	7800	3/29	56	19.7	8.4	11.2*
Lamance Creek	6000	3/27	40	14.8	4.8	7.1*
Martin Creek	6700	3/28	42	15.2	6.1	8.5*

SNOW SURVEY & WATER SUPPLY FORECAST

AUSTIN & EUREKA S.C.D's., CHURCHILL, EUREKA
& LANDERS COUNTIES, NEVADA



LOCATION MAP



APRIL 1, 1962

Snow surveys in the Austin-Eureka area indicate an above average snowpack. Good runoff can be expected in this area.

The April 1 snowpack in the Toiyabe Range on Big Creek south of Austin is 138 percent of average. Big Creek runoff during the spring and early summer will be good.

Plate 13

(Over)

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG. 1966 M-1798-12

7-0-16079-12-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

SNOW APRIL 1, 1962

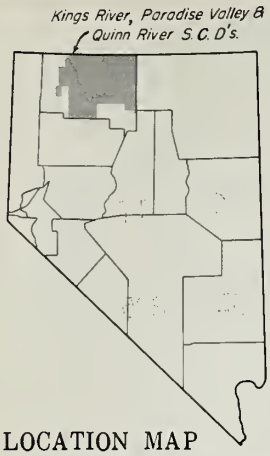
SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Big Creek Camp Ground	6600	4/2	1	0.4	0.4	1.6
Big Creek Mine	7600	4/2	20	7.7	4.5	3.7*
Upper Big Creek	8000	4/2	31	10.8	7.1	8.4*
Lower Corral	7500	4/1	5	1.6	0.0	1.4*
Upper Corral	8500	4/1	29	10.3	0.5	3.6*

Continued from front

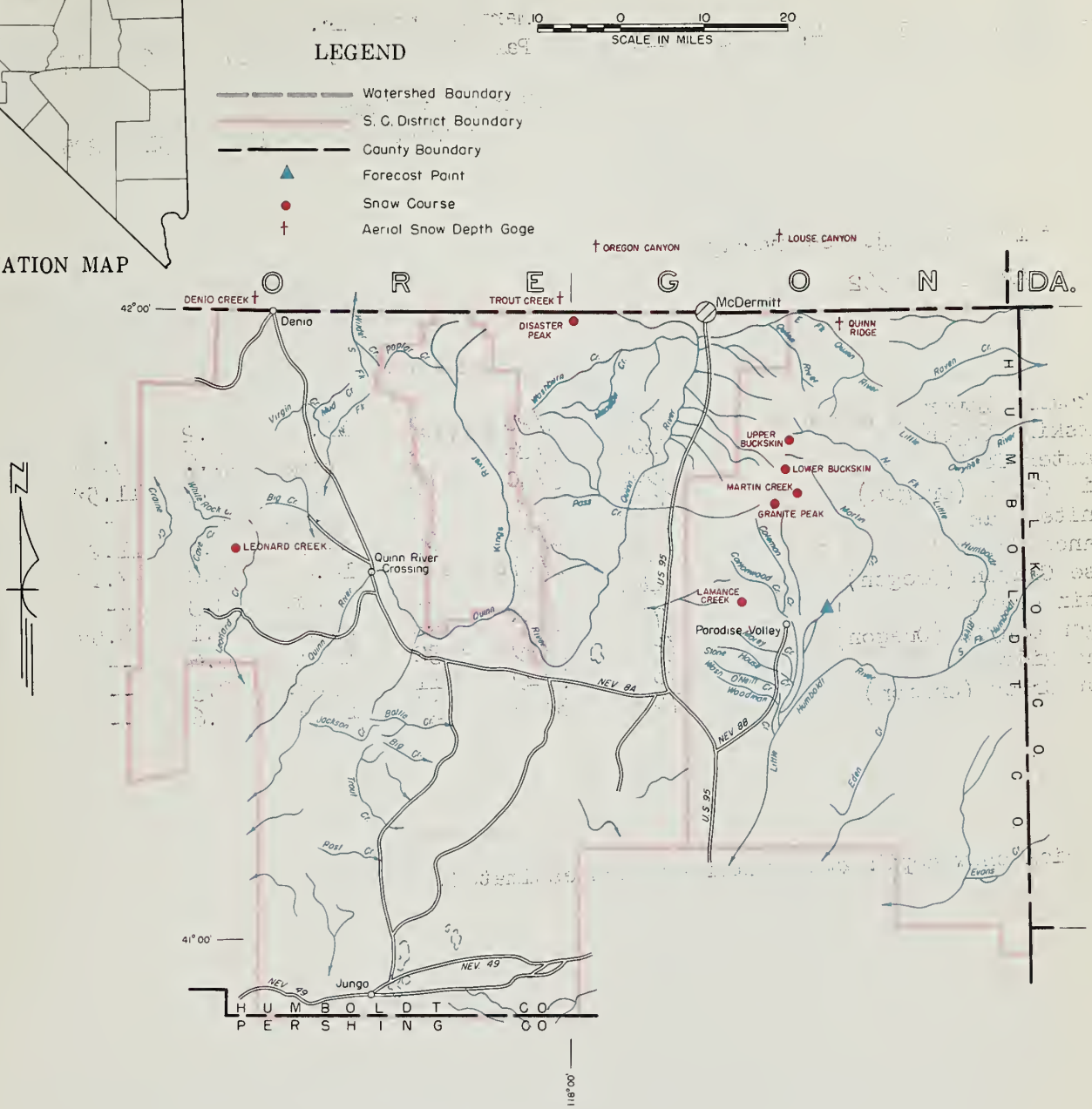
In the Upper Reese River the snowpack remains much above normal. Snowmelt has begun but large quantities of snow-stored water remain above 8000 feet. Streams in Upper Reese River will have good spring and early summer flow.

SNOW SURVEY & WATER SUPPLY FORECAST

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D's., HUMBOLDT COUNTY, NEVADA



LOCATION MAP



APRIL 1, 1962

Snow courses in the Santa Rosa Mountains indicate the mountain snowpack to be about 172 percent of average for April 1.

Paradise Valley water users can expect an excellent water supply this year as Martin Creek is forecast to flow 25,000 acre feet or 147 percent of average during the April-July period.

Runoff from other streams in the Kings River, Paradise Valley and Quinn River SCD's will be good this year. Ground water recharge will be good this year.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG. 1958 M-1798-3

7-0-16079-3-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	47	13	115

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE
1. Martin Creek nr. Paradise Valley	25	6	17
2. Humboldt River at Palisade	190	51	225

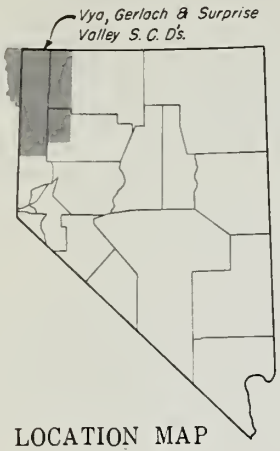
SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD WATER CONTENT (Inches) LAST YEAR	AVERAGE
Buckskin, Lower	6700	3/28	34	11.7	8.2	8.5*
Buckskin, Upper	7200	3/28	43	15.6	11.6	9.2*
Disaster Peak	6500	3/30	49	18.8	10.3	11.5*
Denio Creek (Oregon)	6000	3/28	0	0.0a	0.0	--
Granite Peak	7800	3/29	56	19.7	8.4	11.2*
Lamance Creek	6000	3/27	40	14.8	4.8	7.1*
Louse Canyon (Oregon)	6440	3/29	12	4.2a	3.3	--
Martin Creek	6700	3/28	42	15.2	6.1	8.5*
Oregon Canyon (Oregon)	7200	3/29	32	11.2a	6.6	--
Quinn Ridge	6300	3/29	11	3.8a	0.3	--
Trout Creek (Oregon)	7800	3/29	36	12.6a	6.6	--

a Aerial snow depth gage; water content estimated.

SNOW SURVEY & WATER SUPPLY FORECAST

VYA & GERLACH S.C.D'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA



LOCATION MAP

APRIL 1, 1962

Mountain snowpack in the Vya and Surprise Valley SCD's is the best since 1958. All snow courses in this area increased in water content during March in an above normal fashion.

Irrigation season streamflow will be average to slightly above average this spring and summer if normal climatic conditions prevail.

September, 1961 through March 31 precipitation ranged from 86 percent of average at Cedarville to 128 percent of average at Sheldon. Precipitation amounts and averages were as follows:

Station	Precipitation (Inches) September 1, 1961 Observed	March 31, 1962 Average
Sheldon	8.51	7.32
Ft. Bidwell	12.40	12.73
Cedarville	7.98	9.28
Vya	8.08	6.60

(Over)

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE USDA SCS PORTLAND OREG 1961 M-1798-4
7-0-16079-4-L

STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month) THIS YEAR	LAST YEAR	AVERAGE

NOTE:
All averages based on 1943-1957 15 year period. The forecast period is from April 1 through July 31.

* 1943-57 adjusted average

APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	AVERAGE

SNOW APRIL 1, 1962

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION: DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	PAST RECORD: WATER CONTENT (Inches) LAST YEAR	AVERAGE
Bald Mountain	6720	3/30	23	8.0	1.4	3.1
Barber Creek (Calif.)	6500	3/29	45	16.5	8.5	--
Cedar Pass (Calif.)	7100	4/3	49	18.2	17.4	14.1*
Dismal Swamp (Oregon)	7000	3/28	69	24.8a	16.2	--
Eagle Peak	7200	4/2	44	17.2	13.1	17.9
49-Mtn.	6000	3/28	22	7.9	T	--
Hays Canyon	6400	3/29	21	7.7	T	--
Little Bally Mtn. (Mosquito Lake)	6000	3/28	12	4.3a	1.4	--
Reservation Creek (Calif.)	5900	3/28	47	16.9	9.6	--

a Aerial snow depth gage, water content estimated

Continued from front

Conditions for spring range forage growth are good. Summer range forage growth will depend in part on supplemental late spring rainfall.

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Soil Conservation Service
- Forest Service
- Geological Survey
- Bureau of Reclamation
- Fish and Wildlife Service
- Army
- Navy
- Weather Bureau
- Agricultural Research Service

STATE

- Nevada Department of Conservation & Natural Resources
  - Division of Water Resources
  - Nevada State Forester-Firewarden
- Nevada Cooperative Snow Surveys
- Colorado River Commission of Nevada
- California Cooperative Snow Surveys
- California Department of Water Resources
- Oregon Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- University of Nevada

PRIVATE

- Walker River Irrigation District
- Amalgamated Sugar Company
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Virginia City Water Company
- Kennecott Copper Corporation
- Squaw Valley Development Company
- Pacific Gas & Electric Company
- Nevada Irrigation District
- Sierra Pacific Power Company
- Washoe County Water Conservation District
- Truckee-Carson Irrigation District
- Pershing County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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RENO, NEVADA

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COOPERATIVE SNOW SURVEYS

Furnishes the basic data necessary for forecasting water supply for irrigation, domestic and municipal water supply, hydro-electric power generation, navigation, mining and industry

"The Conservation of Water begins with the Snow Survey"